

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: October 4, 2002, 07:38:15 ; Search time 18.3 Seconds
(without alignments)
1226.619 Million cell updates/sec

Title: US-08-153-397a-2
Perfect score: 4928
Sequence: 1 MGPEALSLILLLVASGDA.....QRPPFQLHRLAEDALNTV 919

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: /cgn2-6/ptodata/2/1aa/5A-COMB.pep.*
2: /cgn2-6/ptodata/2/1aa/5B-COMB.pep.*
3: /cgn2-6/ptodata/2/1aa/6A-COMB.pep.*
4: /cgn2-6/ptodata/2/1aa/6B-COMB.pep.*
5: /cgn2-6/ptodata/2/1aa/PCUTUS-COMB.pep.*
6: /cgn2-6/ptodata/2/1aa/backfilest.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	4928	100.0	919 1 US-08-336-343a-2	Sequence 2, Appl1
2	4882	99.1	913 1 US-08-445-640-4	Sequence 4, Appl1
3	4882	99.1	913 3 US-08-170-558-4	Sequence 4, Appl1
4	4882	99.1	913 3 US-08-447-314-4	Sequence 4, Appl1
5	4882	99.1	913 3 US-08-445-461-4	Sequence 4, Appl1
6	2404	48.7	855 1 US-08-336-343a-4	Sequence 4, Appl1
7	2402	48.7	854 2 US-08-456-647b-20	Sequence 20, Appl1
8	2167	44.0	834 2 US-08-237-401a-20	Sequence 20, Appl1
9	2167	44.0	339 3 US-08-445-640-8	Sequence 8, Appl1
10	2167	44.0	339 3 US-08-170-558-8	Sequence 8, Appl1
11	2167	44.0	339 3 US-08-447-314-8	Sequence 8, Appl1
12	2167	44.0	339 3 US-08-445-461-8	Sequence 8, Appl1
13	1667	33.8	317 2 US-08-701-191a-25	Sequence 25, Appl1
14	838	17.0	156 2 US-08-162-402b-20	Sequence 20, Appl1
15	648.5	13.2	821 1 US-08-339-578-2	Sequence 2, Appl1
16	646	13.1	285 2 US-08-469-537a-73	Sequence 73, Appl1
17	645	13.1	822 2 US-08-359-705b-2	Sequence 2, Appl1
18	645	13.1	822 2 US-08-286-846a-2	Sequence 2, Appl1
19	645	13.1	822 2 US-08-457-880a-2	Sequence 2, Appl1
20	645	13.1	822 3 US-08-444-622a-2	Sequence 2, Appl1
21	645	13.1	822 3 US-08-442-562-2	Sequence 2, Appl1
22	645	13.1	822 4 US-08-156-923-2	Sequence 2, Appl1
23	645	13.1	847 1 US-08-286-846a-9	Sequence 9, Appl1
24	645	13.1	847 2 US-08-441-104a-5	Sequence 5, Appl1
25	645	13.1	847 2 US-08-440-816a-5	Sequence 5, Appl1
26	645	13.1	847 4 US-09-417-381a-5	Sequence 5, Appl1
27	643	13.0	279 2 US-08-469-537a-51	Sequence 51, Appl1

28	640.5	13.0	850 1 US-08-286-305a-7	Sequence 7, Appl1
29	640.5	13.0	850 2 US-08-441-104a-7	Sequence 7, Appl1
30	640.5	13.0	850 2 US-08-440-816a-7	Sequence 7, Appl1
31	640.5	13.0	850 4 US-09-417-381a-7	Sequence 7, Appl1
32	627	12.7	790 2 US-08-359-705b-9	Sequence 9, Appl1
33	627	12.7	790 2 US-08-286-846a-9	Sequence 9, Appl1
34	627	12.7	790 2 US-08-457-880a-9	Sequence 9, Appl1
35	627	12.7	790 3 US-08-444-622a-9	Sequence 9, Appl1
36	627	12.7	790 3 US-08-942-562-9	Sequence 9, Appl1
37	627	12.7	790 4 US-09-156-923-9	Sequence 9, Appl1
38	627	12.7	814 1 US-08-286-305a-3	Sequence 3, Appl1
39	627	12.7	814 2 US-08-441-104a-3	Sequence 3, Appl1
40	627	12.7	814 2 US-08-440-816a-3	Sequence 3, Appl1
41	627	12.7	814 4 US-09-417-381a-3	Sequence 3, Appl1
42	623.5	12.7	839 4 US-08-359-705b-6	Sequence 6, Appl1
43	623.5	12.7	839 2 US-08-286-846a-6	Sequence 6, Appl1
44	623.5	12.7	839 2 US-08-457-880a-6	Sequence 6, Appl1
45	623.5	12.7	839 3 US-08-444-622a-6	Sequence 6, Appl1

ALIGNMENTS

RESULT 1
US-08-336-343a-2
Sequence 2, Application US/08336343A
Patent No. 5677144

GENERAL INFORMATION:
APPLICANT: Ullrich, Axel

TITLE OF INVENTION: CCK-2, A NO. 5677144el Receptor Tyrosine Kinase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:
ADDRESS: Pennine & Edmonds

STREET: 1155 Avenue of the Americas
CITY: New York

STATE: New York
COUNTRY: U.S.A.

ZIP: 10036-2711
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A

FILING DATE: 08-NOV-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090

TELEFAX: (212) 669-9741/8864
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:

LENGTH: 919 amino acids
TYPE: amino acid

TOPOLOGY: unknown
MOLECULE TYPE: protein

US-08-336-343a-2
Query Match 100.0%; Score 4928; DB 1; Length 919;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 919; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGPEALSLILLLVASGDAADMKGHFDPACRYALGQDRTIPSDISASSWSNSTAAR 60
DB 1 MGPEALSLILLLVASGDAADMKGHFDPACRYALGQDRTIPSDISASSWSNSTAAR 60

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DB 61 HSRLESDGAGWCPAGSVFPEKEEYLQVLDLRLHLVALVGTGRRHAGGKERSRYRL 120
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DB 121 RYSDGRMRMGKDRMGCEVYISGNEDEGVYKDLGPPMYARLVREFPRADRWMSVCLRY 180
QY 181 ELYGCLMRDGLLSTYAPVGTMTLSEAVALYINDSTYDGHVGLQYGGGLQADGVVGLDD 240
DB 181 ELYGCLMRDGLLSTYAPVGTMTLSEAVALYINDSTYDGHVGLQYGGGLQADGVVGLDD 240
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DB 241 FRKSOELRWMPGYDYVGMNSHSFSSGVYEMEFEDRLRAQAMOVCHNNHHTTGARLPGG 300
QY 301 VECFRFRGPAMAMEGEPHNRNLGNLGDPRARAVSVPLGGRVAFLOCRFLFAGPMLIFS 360
DB 301 VECFRFRGPAMAMEGEPHNRNLGNLGDPRARAVSVPLGGRVAFLOCRFLFAGPMLIFS 360
QY 361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPYAILI 420
DB 361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPYAILI 420
QY 421 GCLVAITLILLLIILMLRLHMRRLLSKAERVYLEEELTVHLSVPGDTILINRRGPPE 480
DB 421 GCLVAITLILLLIILMLRLHMRRLLSKAERVYLEEELTVHLSVPGDTILINRRGPPE 480
QY 481 PPYOEPRRPNPSPHAPCVNPGSALLSNPAVRLATATAPRPPRGPPPTPMAKAPTNT 540
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DB 541 QASISDYMEPEKPGAPILPPPPONSVPVHYAADIIVTLQVGTGNTYAVPALPGAVGDP 600
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DB 601 PRVDEPRSRLEKEKLGEGOFGEVHLCVDSRDDVLSDEPLVNRGHPILVAVKILRPD 660
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DB 661 ATKNAFSLERSNDPLKEVYKINSRLKDPNITIRLGYCVODDPLCMITDYNENDLNOFIS 720
QY 721 AHOLEDKAAGAPGDOQAAGPTISYPMILHYAQAISGMRVATLNFVHRDLATRNCLY 780
DB 721 AHOLEDKAAGAPGDOQAAGPTISYPMILHYAQAISGMRVATLNFVHRDLATRNCLY 780
QY 781 GENFTIKIDFGMSRNLVAGDYRYVGRVAVLPIRMMAMFCILMGKFTTASDVWAFVYTL 840
DB 781 GENFTIKIDFGMSRNLVAGDYRYVGRVAVLPIRMMAMFCILMGKFTTASDVWAFVYTL 840
QY 841 EYLMCLRAOPFGQULDEOVYIENAGEFFRDGROVYLSRPACPOGLYEYLMCLRMSRESQ 900
DB 841 EYLMCLRAOPFGQULDEOVYIENAGEFFRDGROVYLSRPACPOGLYEYLMCLRMSRESQ 900
QY 901 RPEFSQHLRFLAEDALNTV 919
DB 901 RPEFSQHLRFLAEDALNTV 919

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RESULT 2

US-08-445-640-4
 Sequence 4, Application US/08445640
 Patent No. 5709858

GENERAL INFORMATION:

APPLICANT: Godowskl, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Scadden, David T.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Baron, Will F.
 TITLE OF INVENTION: Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 35

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patln (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-May-1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-Dec-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-Nov-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear

US-08-445-640-4

Query Match          99.1%; Score 4882; DB 1; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

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QY 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYTGNTYAAVPAALPGAVDGP 600
D 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYTGNTYAAVPAALPGAVDGP 600
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D 601 PRVDFPRRLRFKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKGGHPLVAVKILRPD 660
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D 661 ATKNAFSLFNRDLKVKIKMSRLKDPNIIIRLGGVQODDPLCMITTYMENGDLNQLFS 720
QY 721 AHOLEDKAEGAPDGOAAGPTTISYPMILHVAQAQIASGMRYLATLNFVRDLATRNCLY 780
D 721 AHOLEDKAEGAPDGOAAGPTTISYPMILHVAQAQIASGMRYLATLNFVRDLATRNCLY 780
QY 781 GENTTIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
D 781 GENTTIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
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D 841 EVLMICRAOPFGOLTDQVYIENAGEFFRDQGRQVYLSRPPACQGLYELMLRCMSRSEQ 900
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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 913 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-170-558-4

Query Match      99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

QY 1 MGPEALSSILLILLIYASGDADMKGHFDPACKYALAGMDRTIPDSIASSSWSDSTAR 60
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QY 61 HSRLSSDGDGAMCPAGSVFPEEETLOVDLORLHLVALVGTQGRHAGGLGKFSRSYRL 120
D 61 HSRLSSDGDGAMCPAGSVFPEEETLOVDLORLHLVALVGTQGRHAGGLGKFSRSYRL 120
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D 121 RYSRDGRRMGKDRMGQEVISGNEDPEGVYLKDLGPPMVARLYRFYPRADRVMSVCLRY 180
QY 181 ELYGCLMRDGLSTYAPVQGTMYLSEANYLNDSTYDGTGTVGGLOYGGLGOLADGVGLDD 240
D 181 ELYGCLMRDGLSTYAPVQGTMYLSEANYLNDSTYDGTGTVGGLOYGGLGOLADGVGLDD 240
QY 241 FRKSOELRVMPGYDYVGVSNHSFSGYVEMEPDRRLAFQAMOVHCHNMHTIARLPGG 300
D 241 FRKSOELRVMPGYDYVGVSNHSFSGYVEMEPDRRLAFQAMOVHCHNMHTIARLPGG 300
QY 301 VECRRFRGPAMAMEGEPARNHNGNLGDPRAAVSVPLGGRVAFLOCRFLFAGPWILFS 360
D 301 VECRRFRGPAMAMEGEPARNHNGNLGDPRAAVSVPLGGRVAFLOCRFLFAGPWILFS 360
QY 361 EISFISDYVNNSSPALGTFPPAPMPWPPGPPPTNFSLELEPRQOQVPAKESPTALI 420
D 361 EISFISDYVNNSSPALGTFPPAPMPWPPGPPPTNFSLELEPRQOQVPAKESPTALI 420
QY 421 GCLVAITILLILLITALLMRLHWRRLSKARRVLEELTYHLSVPGTILINRRPRE 480
D 421 GCLVAITILLILLITALLMRLHWRRLSKARRVLEELTYHLSVPGTILINRRPRE 480
QY 481 PPVYQPRRGNPPHSAPCVNGSALLSNPAYRLLIATYARPPGPGPPPAKPTNT 540
D 481 PPVYQPRRGNPPHSAPCVNGSALLSNPAYRLLIATYARPPGPGPPPAKPTNT 540
QY 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYTGNTYAAVPAALPGAVDGP 600
D 541 QAYSQDYMEPEKPGAPLLPPPPQNSVPHYAADIYTLGGVYTGNTYAAVPAALPGAVDGP 600
QY 601 PRVDFPRRLRFKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKGGHPLVAVKILRPD 660
D 601 PRVDFPRRLRFKEKLGSGQGEVHLCEVDSPODLYSLDFPLNVRKGGHPLVAVKILRPD 660
QY 661 ATKNAFSLFNRDLKVKIKMSRLKDPNIIIRLGGVQODDPLCMITTYMENGDLNQLFS 720
D 661 ATKNAFSLFNRDLKVKIKMSRLKDPNIIIRLGGVQODDPLCMITTYMENGDLNQLFS 720
QY 721 AHOLEDKAEGAPDGOAAGPTTISYPMILHVAQAQIASGMRYLATLNFVRDLATRNCLY 780
D 721 AHOLEDKAEGAPDGOAAGPTTISYPMILHVAQAQIASGMRYLATLNFVRDLATRNCLY 780
QY 781 GENTTIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
D 781 GENTTIKADGMSRNLAYAGDYRVQGRAVLPIRMAMECIIIMGKFTTASDVMAFGVTLM 840
QY 841 EVLMICRAOPFGOLTDQVYIENAGEFFRDQGRQVYLSRPPACQGLYELMLRCMSRSEQ 900
D 841 EVLMICRAOPFGOLTDQVYIENAGEFFRDQGRQVYLSRPPACQGLYELMLRCMSRSEQ 900
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DB 895 RPPFSQLHRELAEDALNTV 913

|||||

RESULT 4

US-08-447-314-4

Sequence 4, Application US/08447314

Patent No. 6087144

GENERAL INFORMATION:

APPLICANT: Scadden, David T.

APPLICANT: Baron, Kevin P.

APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/447,314

FILING DATE: 22-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasek, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 854C1D2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 913 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-447-314-4

Query Match 99.1%; Score 4882; DB 3; Length 913;

Best Local Similarity 99.2%; Pred. No. 0;

Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

DB 1 MGPEALSSLLILLVAGSDAMKGFDPACRYALGMDRTIPDSISASSMSDSTAAR 60

DB 1 MGPEALSSLLILLVAGSDAMKGFDPACRYALGMDRTIPDSISASSMSDSTAAR 60

DB 1 HSPLESDGAGCAGPAGSVPRKEEYLVQDLQHLHVALVGTGRIAGGIGKEFSYSRL 120

DB 61 HSPLESDGAGCAGPAGSVPRKEEYLVQDLQHLHVALVGTGRIAGGIGKEFSYSRL 120

DB 61 HSPLESDGAGCAGPAGSVPRKEEYLVQDLQHLHVALVGTGRIAGGIGKEFSYSRL 120

DB 121 RYSDRGRMGKMDRWGQEVYISGNDEPEGVYLKDLGPPMYARLVRYTPRADRYMSYCLAY 180

DB 121 RYSDRGRMGKMDRWGQEVYISGNDEPEGVYLKDLGPPMYARLVRYTPRADRYMSYCLAY 180

DB 181 ELVGCILARDGLSYTAPVGOTMTLSAVYLINDSTYDGHVVGGLQYGLQADGVVGLDD 240

DB 181 ELVGCILARDGLSYTAPVGOTMTLSAVYLINDSTYDGHVVGGLQYGLQADGVVGLDD 240

DB 241 FRKSQELRWVPGYDYVGWMSHSSSGYVMEFEFDRLRFQAMQVCHNMHTLGARLPGG 300

DB 241 FRKSQELRWVPGYDYVGWMSHSSSGYVMEFEFDRLRFQAMQVCHNMHTLGARLPGG 300

|||||

RESULT 5

US-08-445-461-4

Sequence 4, Application US/08445461

Patent No. 6096527

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie R.

APPLICANT: Scadden, David T.

APPLICANT: Baker, Kevin P.

APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/445,461

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hasek, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 854C1D2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 913 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-445-461-4

Query Match 99.1%; Score 4882; DB 3; Length 913;

Best Local Similarity 99.2%; Pred. No. 0;

Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

DB 1 MGPEALSSLLILLVAGSDAMKGFDPACRYALGMDRTIPDSISASSMSDSTAAR 60

DB 1 MGPEALSSLLILLVAGSDAMKGFDPACRYALGMDRTIPDSISASSMSDSTAAR 60

DB 1 HSPLESDGAGCAGPAGSVPRKEEYLVQDLQHLHVALVGTGRIAGGIGKEFSYSRL 120

DB 61 HSPLESDGAGCAGPAGSVPRKEEYLVQDLQHLHVALVGTGRIAGGIGKEFSYSRL 120

DB 61 HSPLESDGAGCAGPAGSVPRKEEYLVQDLQHLHVALVGTGRIAGGIGKEFSYSRL 120

DB 121 RYSDRGRMGKMDRWGQEVYISGNDEPEGVYLKDLGPPMYARLVRYTPRADRYMSYCLAY 180

DB 121 RYSDRGRMGKMDRWGQEVYISGNDEPEGVYLKDLGPPMYARLVRYTPRADRYMSYCLAY 180

DB 181 ELVGCILARDGLSYTAPVGOTMTLSAVYLINDSTYDGHVVGGLQYGLQADGVVGLDD 240

DB 181 ELVGCILARDGLSYTAPVGOTMTLSAVYLINDSTYDGHVVGGLQYGLQADGVVGLDD 240

DB 241 FRKSQELRWVPGYDYVGWMSHSSSGYVMEFEFDRLRFQAMQVCHNMHTLGARLPGG 300

APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-461-4

Query Match 99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

QY 1 MGPEALSSILLLLVAGSDADMKGHFDPACRYALGMDRTIPDDISASSMSDSTAAR 60
DB 1 MGPEALSSILLLLVAGSDADMKGHFDPACRYALGMDRTIPDDISASSMSDSTAAR 60
QY 61 HSRLESSDGDACWCPAGVFPKEEYLDVLDLRLHLVALVGTQGRHAGLGKFEFSRYRL 120
DB 61 HSRLESSDGDACWCPAGVFPKEEYLDVLDLRLHLVALVGTQGRHAGLGKFEFSRYRL 120
QY 121 RYSRDGRFMGMKDMGOEVSIGNDEPEGVYLKDLGPPMVAVLRFYPRADVMSCVCLRY 180
DB 121 RYSRDGRFMGMKDMGOEVSIGNDEPEGVYLKDLGPPMVAVLRFYPRADVMSCVCLRY 180
QY 181 ELYGCLMWDGLLSTYAPVQOTMYLSEAVYLLNDSTYDGHVTGGLQYCGLGQLADVYGLDD 240
DB 181 ELYGCLMWDGLLSTYAPVQOTMYLSEAVYLLNDSTYDGHVTGGLQYCGLGQLADVYGLDD 240
QY 241 FRKSOELRWPGYDYVGNNSHFSFGYEMEFEDRLAFOAMOVHCNNMHTLGARLPGG 300
DB 241 FRKSOELRWPGYDYVGNNSHFSFGYEMEFEDRLAFOAMOVHCNNMHTLGARLPGG 300
QY 301 VECFRFRGPRAMWEGEPKRNHLGNGLDPRARAVSVPLGGRVARELQCRLEAGWLLFS 360
DB 301 VECFRFRGPRAMWEGEPKRNHLGNGLDPRARAVSVPLGGRVARELQCRLEAGWLLFS 360
QY 361 EISFISDVNNSSPALGGTFPPAPWMPGPPPTNFSLELEPRGQAPAKAEGSPITALI 420
DB 361 EISFISDVNNSSPALGGTFPPAPWMPGPPPTNFSLELEPRGQAPAKAEGSPITALI 420
QY 421 GCUVAIILLILLITAILMRLHMRRLSKARRVLEELTYHLSPVGTIILNNPGPRE 480
DB 421 GCUVAIILLILLITAILMRLHMRRLSKARRVLEELTYHLSPVGTIILNNPGPRE 480
QY 481 PPPEOERPRGNPNHSAFCVNGSALLSNPAYRLLLATYARPPGPPPPAMAKPNT 540
DB 481 PPPEOERPRGNPNHSAFCVNGSALLSNPAYRLLLATYARPPGPPPPAMAKPNT 540
QY 541 QAVSGDYMEPEKPGAPLLPPPPONSVPHYAADIIVTLOGVTGNTYAVPALPGVAGDP 600
DB 541 QAVSGDYMEPEKPGAPLLPPPPONSVPHYAADIIVTLOGVTGNTYAVPALPGVAGDP 600
QY 601 PRVDFPRSRLEKEXLGEQGFGEVHLCENVSPODLVSLDFPLNVRKHGHLVAVKILRPD 660
DB 601 PRVDFPRSRLEKEXLGEQGFGEVHLCENVSPODLVSLDFPLNVRKHGHLVAVKILRPD 660

QY 661 ATKNAFSLSRNDLFKEYRKIMSLKDPNIRLLGLCYODDPLCATITDMENDLNQFIS 720
DB 661 ATKNAFSLSRNDLFKEYRKIMSLKDPNIRLLGLCYODDPLCATITDMENDLNQFIS 720
QY 721 AHOLEDKAAGAPGDAQAGPTISYPMILHVAQAISAGRYATUNFVRDLATFNCLY 780
DB 721 AHOLEDKAAGAPGDAQAGPTISYPMILHVAQAISAGRYATUNFVRDLATFNCLY 780
QY 781 GENFTIKIADFGKSRNLYAGDYRVQRAVLPITRMAMECIILMGKFTTASDVAFGVTLM 840
DB 781 GENFTIKIADFGKSRNLYAGDYRVQRAVLPITRMAMECIILMGKFTTASDVAFGVTLM 840
QY 841 EYVLMCRAPFGQLTDEQVYIENAGFEFFRQGRQVYLSRPPACPGLYELMRCWSRESQ 900
DB 841 EYVLMCRAPFGQLTDEQVYIENAGFEFFRQGRQVYLSRPPACPGLYELMRCWSRESQ 900
QY 901 RPPFSOLHRLFEDALNTV 919
DB 901 RPPFSOLHRLFEDALNTV 919

RESULT 6
US-08-336-343A-4
Sequence 4, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSER: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 855 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-336-343A-4

Query Match 48.8%; Score 2404; DB 1; Length 855;
Best Local Similarity 51.8%; Pred. No. 6,4e-164;
Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;

QY 3 PEALSSILLLLVAGSDADMKGHFDPACRYALGMDRTIPDDISASSMSDSTAARHS 62
DB 5 PRMLLVLELPLPILS---SARQVNPALICRYPLRPGSGQIDPDEDITASSQWSESTAARKY 61
QY 63 RLESQDGGACWCPAGVFPKE-EEYLDVLDLRLHLVALVGTQGRHAGLGKFEFSRYRLR 121
DB 63 RLESQDGGACWCPAGVFPKE-EEYLDVLDLRLHLVALVGTQGRHAGLGKFEFSRYRLR 121

D	b	62	RUDSEGGGAMCPEIYPVRBDLKEFLQJLDHTLHFIITLVGQGNHAGHGIEFAPMKIN	121
Q	y	122	YSROGRKMGKDKRGQDVIISGNEDEBEGVULKDGPMMVARYFYPADRVMSVCLIVE	181
D	b	122	YSRDTNRI SWRNKRGRKVLDDGNSNPDIKLEDEPIVAFVAFNFIYVTHSHSNMKRVE	181
Q	y	182	LYGCLMRGSLSTYAPVQOTYL--SEAVYLNDSYTGHTVGGVQYQSGDLSOLDGVVGLD	239
D	b	182	LYGCMWMDGLVSYNAPAGQDQVLEGGGSIYILNDSVYTG-AVGYSMTGSLQOLDGVSGLD	240
Q	y	240	DPRKSOELRVPQGYDYVGSNHSFSSGVIEMEEFEDRLRAFQAMQVCHNNHTLGARLPG	299
D	b	241	DETQTHEHVMPGCDYVGMRESATNGYIELMEFEEDRI RNFTTMKVCHNNMFAGVAKIFK	300
Q	y	300	GVECEFRBGRPMMAEGEBMRNLGSLGDPRARVSVPLDGRVAFLOCFELRAGPMLLF	359
D	b	301	EVOCYF-RSEASEMPNINISPLLDVGNPSARVATYPLHRRNMSAKCYCHPADTMMP	359
Q	y	360	SEISFISD-VYNNSSPALGTFPPAPMWPGRPPPTNFSLELEPRGOQPAKAKESPTAI	418
D	b	360	SEIFGSDAAMYNNSEAL---PISF-----MAPTYDPLKATXDDSTRI	400
Q	y	419	LIGCLVAIIIIIIIIIIALMRLHWRLLSKAERRVLEELIYHLSVPGTIIINN--P	476
D	b	401	LIGCLVAIIFILAIYIILMROQMOKLEKASRMLDDEMTVSLSPSSSSNNRRSS	460
Q	y	477	GRPR-----PRYOERPRGNPHSAPCVNPSALLNSPARRLLATYARP	523
D	b	461	SPSBOGSGNSTDRFLPLRPOYQ-----SRLIKRLPE-----	494
Q	y	524	PRGCPPTPAWAKPTNQAYSGDIMEBEKRGARLLPPPNOSVPHYAADIIVTLQGTGG	583
D	b	495	-----ARGEESGSGGVKKPYOPSGP-----EGVPHYAADIIVNLQGTGG	535
Q	y	584	NTYAVPALPEGAVDGPFRV-DPRSLRLRKREKLTGEGQBEVNLCEYDSQDLVSLDFPL	642
D	b	536	NTISPAWNTMDLSGKQVAAVEEPFRKLTTEREKRGEGQFEVNLCEVEGKEKREKDFAL	595
Q	y	643	NVRKGPDLVAVKILRPDAVKNASFSLFSENDFLEKVIINSRLKDPNIILGLGVQODPE	702
D	b	596	DVSANQPLVAIVKMLRADANKNA-----NDPLKEIKIMSLRLKDPRIIHLLSVCLTDDP	649
Q	y	703	LCATITDMEGNDLNOFISAOLOEDKAEGAPGCGQAAGCTIYPMILHYAAQIASGMRY	762
D	b	650	LCMITTEMENDLNOFLSRRE-----PPNSSSDVFTVSYTNLKFVATQIASGMXY	700
Q	y	763	LATINLFHRDLATNCLVGENETIKIADPMSNIVAGDYRRQGRAVPIRIRMAECLII	822
D	b	701	LSSTINLFHRDLATRNCLVGNKIYTIKIDFGMSRNLSGDIYTRQGRAVPIRIRMSWESLI	760
Q	y	823	MGEFTTASDVAVAGVTLMEVILMLCRAQFQOLITDEQVIENTAGEFFRDQGRQVYLSRPPAC	882
D	b	761	LGRKFTTASDVAVAGVTLMEFTFCQEQBPYQSLSDQVIENTGSEFPDQGRQVYLPQALIC	820
Q	y	883	PGQIELMLCQMSRESQRRPPQSOLHREFLAE	913
D	b	821	PDSVYKMLMSCWRDVIKNNRSTFQEIHLILLQ	851

RESULT 7
 US-08-456-647B-20
 ; Sequence 20, Application US/08456647B
 ; Patent No. 5811516
 ; GENERAL INFORMATION:
 ; APPLICANT: Lamke Ph.D. et al., Greg E.
 ; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
 ; NUMBER OF SEQUENCES: 54
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 4225 Executive Square, Suite 1400
 ; CITY: La Jolla
 ; STATE: CA
 ; COUNTRY: US

```

1 ZIP: 92037
2
3 COMPUTER READABLE FORM:
4
5 MEDIUM TYPE: Floppy disk
6
7 COMPUTER: IBM PC compatible
8
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10
11 SOFTWARE: PatentIn Release #1.0, Version #1.25
12
13 CURRENT APPLICATION DATA:
14
15 APPLICATION NUMBER: US/08/456,647B
16
17 FILING DATE: 02-JUN-1995
18
19 CLASSIFICATION: 530
20
21 PRIOR APPLICATION NUMBER:
22
23 APPLICATION NUMBER: US 08/237,401
24
25 FILING DATE: 02-MAY-1994
26
27 PRIOR APPLICATION DATA:
28
29 APPLICATION NUMBER: US 07/884,486
30
31 FILING DATE: 15-MAY-1992
32
33 ATTORNEY/AGENT INFORMATION:
34
35 NAME: Wetherell Ph.D., John R.
36
37 REGISTRATION NUMBER: 31,678
38
39 REFERENCE/DOCKET NUMBER: 07251/007002
40
41 TELECOMMUNICATION INFORMATION:
42
43 TELEPHONE: (619) 678-5070
44
45 TELEFAX: (619) 678-5099
46
47 INFORMATION FOR SEQ ID NO: 20:
48
49 SEQUENCE CHARACTERISTICS:
50
51 LENGTH: 854 amino acids
52
53 TYPE: amino acid
54
55 TOPOLOGY: linear
56
57 MOLECULE TYPE: protein
58
59 US-08-456-647B-20

```

Query Match	48.7%;	Score 2402;	DB 2;	Length 854;
-------------	--------	-------------	-------	-------------

Best local similarity 51.9%; Pred. NO. 8.8e-164;
Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

QY	9	LLLLLVASGDADKGHFDPKCRYPALGMDORTIPDSISASSMSSTARHSRLSSD	68
Db	10	VLLLLLLTLLGSA--KAQVNAICRIPJMGSGHLPDEITANSSQWSEBTAAYKRLDSEE	67
QY	69	GDGAMCPAGSVPFKE-BEYLQVDLQRLHLVALVYGTQGHAGLGKEFSRSYRLRYSBDGR	127
Db	68	GDGAMCPELPIYQPDCKEFLDIDLRLHLFITYLVGTQGHAGHGHIEEPAPMKIYNSDGS	127
QY	128	RMGKMDKRMGOEYISGNEDPEGVYLLKDLGPRMVARLYFRPRADRVASVCLRYELLYCLW	187
Db	128	RMIEMWRNHGKQVLDDGNSNPYDFELKDELPRIYARFRLIPVTDHSMNVCMRYELVGCW	187
QY	188	RDGLLSTAPRGQIMYL--SEAVYLVNDSTYDGHITVGLQYGLGQLADLVGGLDDEFRKSQ	245
Db	188	LDGLVSTYAAPRGQOQFVLPBGSIILYLVNDSYVDG--AVGYSMTGELQLQTLDDGASGLDFFQTH	246
QY	246	ELRWPGYDYGWGSNHSPPSSGYEMEPDEFDLRAFOAMOVHNCNMHTLGARLPGCVGCRF	305
Db	247	EYHWPGYDYGWGSNHSATINQFELIMEFEDIRNFETMKVHCNMMAKGVKIFREYVCYF	306
QY	306	RGRGAMAMEGEPMRHNLGNLGDRLARAVSYPLGGRVARELQCFELPAGPMLLESEISFI	365
Db	307	RSEASEMEPRAYVFLVLDVQVNSAFVYVPLHHRMAASAKCOYHNRADMMMESEITFQ	365
QY	366	SD--VVNNSPALLCGTTPPAPAMPDPGPPPTFSSLEDEPRGQOPVAKESPTAILIGCL	423
Db	366	SDAAMYNNS-----GALPTSP-----NAPPTYDPMLVKVDNSNTRILIGCL	405
QY	424	VAILLLLLLITLALMLLHRRLLSKARVLEBEELVHLVSVEGDTLLINR---PGPR	479
Db	406	VAILFILLATIVILMIOFQMKLEKRSRRLLDEMAVSLSESESMFNNNSSSPSEQ	465
QY	480	EP-----PPYQEPFRGPNPSPASCVPNGSALLSLNSPAYRLLATVYARPPGPG	528
Db	466	ESNSTYRIFPLRDYQEP-----SLLIKLLEEF-----	494
QY	529	PPPLPAMAKPTINTQAYSGDIYMEPEKPGAPLLPDPQNSVPHYAEDIVTLOGVTGNTAY	588

Db 495 -----AGEEESGSGGVYKPAQPNP-----EGVPHYAADIYVNLGGVGTGYCV 540
QY 589 PALPGVAGDGPVRV-DPFRSLRFRKREKLEGQFGVHLCEDVSPDLYSLDFPLVNRKG 647
Db 541 PAVTMDLISGKVAAVEEPRKLLAEKLEGQFGVHLCEDVSPDLYSLDFPLVNRKG 600
QY 648 HPLVAVKILRPDPRATKNSFSLFRNDPLKEVYKINSRLKDPNIRLLGVCVODDPLCMIT 707
Db 601 QVLIYAVKMLRADANKNA-----RNDPLKEIKINSRLKDPNIRLLGVCVODDPLCMIT 654
QY 708 DYMGNDLNLQFLSAHQLEDKAAGAPGDGAAAGPTISYPMILHVAQAQIASGRMYLATLN 767
Db 655 EYMGNDLNLQFLSRHEPLSSCSSDA-----TVSYANKLFMATQIASGMYLSSLN 704
QY 768 FVHRDLATPNCIVGENTFKIKADFGMSRNLVAGDYTRVGRVAVLPIRMAWECILMGKT 827
Db 705 FVHRDLATPNCIVGENTFKIKADFGMSRNLVAGDYTRVGRVAVLPIRMAWESILGKFT 764
QY 828 TASDVWAGVTLMEVYLMCLRAQPGQLTDEQYIENAGFEFFRDOGRVYLSRPPACPGY 887
Db 765 TASDVWAGVTLMEVYTLTQEQEPYQSLSDQYIENAGFEFFRDOGRVYLSRPPACPGY 824
QY 888 ELMRCWRESERPPFSQLHRLAE 913
Db 825 KMLSCMRRETKHRSPFOEIHLLIQ 850

RESULT 8
US-08-237-401A-20
; Sequence 20, Application US/08237401A
; Patent No. 5837448
; GENERAL INFORMATION:
; APPLICANT: Lemke Ph.D. et al., Greg E.
; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/237,401A
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/884,486
; FILING DATE: 15-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Halle Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07251/007001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 854 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-237-401A-20

Query Match 48.7%; Score 2402; DB 2; Length 854;
Best Local Similarity 51.9%; Pred. No. 8.8e-164;

Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;
QY 9 LLLLLVAGDADMKGHPPAKCRVAGMODRTIPDSISASSSSWSDTAARHSLRSSD 68
Db 10 VLLLLLILGSA--KAQVPALICRYPLGSGHIIIPEDITASQWSEPAAKGRIDSBE 67
QY 69 GQGACPGASVPEKE--EVLQVLDQLHLVALVGTGRRAGLGKFSYSRLRSRGR 127
Db 68 GQGACPEIPVODDLKEQLIDRLHLFTVLTGGRAGGHGLEFAPMYKINSRDS 127
QY 128 RWGMRKRGQEVISGNEDEGEVYLDLGPMMYARLVFRYPADRWASCLRLVYLCIM 187
Db 128 RWSMRNRKQVLDQNSNPYDFELKDLRPIYARKRLIPTDHSMMNCMYELKCYW 187
QY 188 RQGLSLYTPAVGQTMVL--SEAVYLDSTYDGHVTGGLQYGLQLADGVGLDFRQ 245
Db 188 LDGLVSYNAPAGQFVLPQGSIIYLDNSYDG-AVYSMTGLGLQTLDSGLDFTQTH 246
QY 246 ELRWPGDYDYGKSNHSFSGVYEMEFEDRLRAPQAMVHONNHTTGARLPGEVECF 305
Db 247 ETHWPGDYDYGKSNHSFSGVYEMEFEDRLRAPQAMVHONNHTTGARLPGEVECF 306
QY 306 RRGPAWAGEEPMRNLGNLADPRARAVSVPLGRVAFRLQCRFLFAGPMLFSEISPI 365
Db 307 -RSEASEMEPTAVYFPLVDVNPASRFTVPLHRMAAIAICQYHAFDTWAMESEITQ 365
QY 366 SD--VYNNSSPALGCTFPAPMPPGPPPTNFSLELEPRGOOPVAKAGSPAILIGCL 423
Db 366 SDAAMYNNNS--GALPTSP-----MAPTYDPMKLVDSNTRILIGCL 405
QY 424 VAILLLLLLILMLRLMLRRLLSKAERVYEEELTVLSIPGDTILINN--PGCR 479
Db 406 VAILFLALIVYILMQRWQKLEKASRMDDDETVLSLPSSESMNNRSSPSRQ 465
QY 480 EP-----PPYQERPRGNPHSAPCVNNGSALLSNPAYRLLATATARRPRG 528
Db 466 ESNSTYDRFLPLRPOEP-----SRLTKLPER-----494
QY 529 PPTPAWAKPTNTQAYSGDYMEPEKPGAPLLPDPONSYPHYAADIYTLGGVGTAYAV 588
Db 495 -----AGEEESGSGGVYKPAQPNP-----EGVPHYAADIYVNLGGVGTGYCV 540
QY 589 PALPGVAGDGPVRV-DPFRSLRFRKREKLEGQFGVHLCEDVSPDLYSLDFPLVNRKG 647
Db 541 PAVTMDLISGKVAAVEEPRKLLAEKLEGQFGVHLCEDVSPDLYSLDFPLVNRKG 600
QY 648 HPLVAVKILRPDPRATKNSFSLFRNDPLKEVYKINSRLKDPNIRLLGVCVODDPLCMIT 707
Db 601 QVLIYAVKMLRADANKNA-----RNDPLKEIKINSRLKDPNIRLLGVCVODDPLCMIT 654
QY 708 DYMGNDLNLQFLSAHQLEDKAAGAPGDGAAAGPTISYPMILHVAQAQIASGRMYLATLN 767
Db 655 EYMGNDLNLQFLSRHEPLSSCSSDA-----TVSYANKLFMATQIASGMYLSSLN 704
QY 768 FVHRDLATPNCIVGENTFKIKADFGMSRNLVAGDYTRVGRVAVLPIRMAWECILMGKT 827
Db 705 FVHRDLATPNCIVGENTFKIKADFGMSRNLVAGDYTRVGRVAVLPIRMAWESILGKFT 764
QY 828 TASDVWAGVTLMEVYLMCLRAQPGQLTDEQYIENAGFEFFRDOGRVYLSRPPACPGY 887
Db 765 TASDVWAGVTLMEVYTLTQEQEPYQSLSDQYIENAGFEFFRDOGRVYLSRPPACPGY 824
QY 888 ELMRCWRESERPPFSQLHRLAE 913
Db 825 KMLSCMRRETKHRSPFOEIHLLIQ 850

RESULT 9
US-08-445-640-8
; Sequence 8, Application US/08445640
; Patent No. 5709858
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-640-8

Query Match 44.0%; Score 2167; DB 1; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMKGHFPAKCRVALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 78
DB 1 DADMKGHFPAKCRVALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 60

QY 79 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 138
DB 61 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 120

QY 139 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLMRDGLSTTAPY 198
DB 121 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLMRDGLSTTAPY 180

QY 199 GQTMYSSEAVYLLNDSTYDGTHTVGLOYGGLGOLADGVGLDPRKSOELRWMPGYDYGV 258
DB 181 GQTMYSSEAVYLLNDSTYDGTHTVGLOYGGLGOLADGVGLDPRKSOELRWMPGYDYGV 240

QY 259 SNHSFSSGYVEMFEFDRLRAPQAMOVHCNNMHTLGARLPGVECFRRRGPAPAMWGEPM 318
DB 241 SNHSFSSGYVEMFEFDRLRAPQAMOVHCNNMHTLGARLPGVECFRRRGPAPAMWGEPM 300

QY 319 RHNUGNLGDPARAVSVPLGGRVAFRLQCRFLFAGPMLFSEISFISDVVNSSPALG 378
DB 301 RHNUGNLGDPARAVSVPLGGRVAFRLQCRFLFAGPMLFSEISFISDVVNSSPALG 360

QY 379 TFFPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 417

DB 361 TFFPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 399

RESULT 10
US-08-170-558-8
Sequence 8, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowsky, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-170-558-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMKGHFPAKCRVALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 78
DB 1 DADMKGHFPAKCRVALGMDRTIPDSISASSWSDSSTARHSRLSSDGDGAWCPAGS 60

QY 79 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 138
DB 61 VFPEKEEYLOVDLQRLHLVALVGTQGRHAGGLCKEFSRSYRLRYSRGRMMKMDRMQ 120

QY 139 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLMRDGLSTTAPY 198
DB 121 EVISGNEDEGGVYLKDLGPPMVARLVRFPRADRVMSVCLRVLYGCLMRDGLSTTAPY 180

QY 199 GQTMYSSEAVYLLNDSTYDGTHTVGLOYGGLGOLADGVGLDPRKSOELRWMPGYDYGV 258
DB 181 GQTMYSSEAVYLLNDSTYDGTHTVGLOYGGLGOLADGVGLDPRKSOELRWMPGYDYGV 240

QY 259 SNHSFSSGYVEMFEFDRLRAPQAMOVHCNNMHTLGARLPGVECFRRRGPAPAMWGEPM 318

Db 241 SNHSSSGYVEMEFEEDRLRAFOAMOVHCNNHMTTGARLPGVECFRRGPAMAMEGEPM 300
QY 319 RHNLGNLGDPRARAVSYVLGGVAFLLCCRFLLFAGPMLLFSEISFISDVYNNSSPALGG 378
Db 301 RHNLGNLGDPRARAVSYVLGGVAFLLCCRFLLFAGPMLLFSEISFISDVYNNSSPALGG 360
QY 379 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 417
Db 361 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 399

RESULT 11
US-08-447-314-8
; Sequence 8, Application US/08447314
; Patent No. 6087144
; GENERAL INFORMATION:
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,314
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170558
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C1D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-447-314-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 19 DADMGHDPKACRYALMODRTIPDSISASSWSSTAAHSHRLSSDGDGAMCPAGS 78
Db 1 DADMGHDPKACRYALMODRTIPDSISASSWSSTAAHSHRLSSDGDGAMCPAGS 60
QY 79 VFPKEEELQVDLRLHLVALVGTGGRHAGIGKEFSRYLRYSRDGRHMGAFDRMGQ 138
Db 61 VFPKEEELQVDLRLHLVALVGTGGRHAGIGKEFSRYLRYSRDGRHMGAFDRMGQ 120
QY 139 EVISGNEDEGVVLKDLGPPMARLVRFYPRADRVMSVCLRYELGCLMRDGLSYTAPV 198

Db 121 EVISGNEDEGVVLKDLGPPMARLVRFYPRADRVMSVCLRYELGCLMRDGLSYTAPV 180
QY 199 GQTMYLEAVYINDSTYDHTYVGLQYGLGLADGVVGLDDEFRKSOELRVMPGYDYVGM 258
Db 181 GQTMYLEAVYINDSTYDHTYVGLQYGLGLADGVVGLDDEFRKSOELRVMPGYDYVGM 240
QY 259 SNHSSSGYVEMEFEEDRLRAFOAMOVHCNNHMTTGARLPGVECFRRGPAMAMEGEPM 318
Db 241 SNHSSSGYVEMEFEEDRLRAFOAMOVHCNNHMTTGARLPGVECFRRGPAMAMEGEPM 300
QY 319 RHNLGNLGDPRARAVSYVLGGVAFLLCCRFLLFAGPMLLFSEISFISDVYNNSSPALGG 378
Db 301 RHNLGNLGDPRARAVSYVLGGVAFLLCCRFLLFAGPMLLFSEISFISDVYNNSSPALGG 360
QY 379 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 417
Db 361 TPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTA 399

RESULT 12
US-08-445-461-8
; Sequence 8, Application US/08445461
; Patent No. 6096527
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/445,461
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170558
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-445-461-8

Query Match 44.0%; Score 2167; DB 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2.2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADKGFHDPKACRYALGMDRTIPSDISASSWSSTARHSRLSSDGDGAMCPAGS 78
DB 1 DADKGFHDPKACRYALGMDRTIPSDISASSWSSTARHSRLSSDGDGAMCPAGS 60
QY 79 VFPEEEXYLDVLRLLVAVLVGOGHAGGLGKEFSRYRLRSPGRGMMGKDWGQ 138
DB 61 VFPEEEXYLDVLRLLVAVLVGOGHAGGLGKEFSRYRLRSPGRGMMGKDWGQ 120
QY 139 EVISGNDDPEGVYVKDGLPMMVAVLVRYPRADRVMSVCLRVLYGCLMDGLSTYAPV 198
DB 121 EVISGNDDPEGVYVKDGLPMMVAVLVRYPRADRVMSVCLRVLYGCLMDGLSTYAPV 180
QY 199 GQRYTLEAVYLVNDSTYDGHVTGGLOYGJGLQADAVVGLDDFERKSOGLRWMPGYDYVW 258
DB 181 GQRYTLEAVYLVNDSTYDGHVTGGLOYGJGLQADAVVGLDDFERKSOGLRWMPGYDYVW 240
QY 259 SNHSFSSGYEMEPERFLRAFOAMOVHNNMHTLGRLGVECRRRRPAAMEEPM 318
DB 241 SNHSFSSGYEMEPERFLRAFOAMOVHNNMHTLGRLGVECRRRRPAAMEEPM 300
QY 319 RHNLSGNLGDPRRAVAVSVPLGGRVARELQCRFLFAGPWLLESEISFISDVVNNSSPALGG 378
DB 301 RHNLSGNLGDPRRAVAVSVPLGGRVARELQCRFLFAGPWLLESEISFISDVVNNSSPALGG 360
QY 379 TFPFAPMPPGPPPTNNSSTLEBRGQOPVAKKESGPTA 417
DB 361 TFPFAPMPPGPPPTNNSSTLEBRGQOPVAKKESGPTA 399

RESULT 13

US-08-701-191A-25
Sequence 25, Application US/08/01191A
Patent No. 5942428

GENERAL INFORMATION:

APPLICANT: Moosa Mohammadi, Joseph Schlesinger,
and Steven R. Hubbard
TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/701,191A
FILING DATE: August 21, 1996
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Waibury, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 227/088
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-701-191A-25

Query Match 33.8%; Score 1667; DB 2; Length 317;
Best Local Similarity 97.8%; Pred. No. 9e-112;
Matches 316; Conservative 1; Mismatches 0; Indels 6; Gaps 1;

QY 597 GDDGPRVDFRSLRREFEKGEGGFGVHLCEVDSPODLVSLDFPLNVRKGHPLVAVKI 656
DB 1 GDDGPRVDFRSLRREFEKGEGGFGVHLCEVDSPODLVSLDFPLNVRKGHPLVAVKI 60
QY 657 LRDPATKNAFSFLSRNDFLKEVYKINSRLADPNITRLGVCVDDPLCMITDWMENDLN 716
DB 61 LRDPATKNA-----RNDLFKEVYKINSRLADPNITRLGVCVDDPLCMITDWMENDLN 114
QY 717 QFLSAHQLEDKAAEGAPDQAAAGPTISYPMHLVAAQIASGRVYLATINFYHRLDATR 776
DB 115 QFLSAHQLEDKAAEGAPDQAAAGPTISYPMHLVAAQIASGRVYLATINFYHRLDATR 174
QY 777 NCLVGENFTIKIDFGSKRLYAGDIYRVQRAVLPTRMAWECILMGKFTTASDVWAFG 836
DB 175 NCLVGENFTIKIDFGSKRLYAGDIYRVQRAVLPTRMAWECILMGKFTTASDVWAFG 234
QY 837 VTLMEVYLMCRAOPFGQLTDEQVIENAGFEFFROGROVYLSRPACQGLYEIMLRGWSR 896
DB 235 VTLMEVYLMCRAOPFGQLTDEQVIENAGFEFFROGROVYLSRPACQGLYEIMLRGWSR 294
QY 897 ESEORPPFSQHRFLAEDALNTV 919
DB 295 ESEORPPFSQHRFLAEDALNTV 317

RESULT 14

US-08-162-402B-20
Sequence 20, Application US/08162402B
Patent No. 5972337

GENERAL INFORMATION:

APPLICANT: CERIANI, ROBERTO L.
APPLICANT: PETERSON, JERRY A.
APPLICANT: LARROCCA, DAVID J.
TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder & Poplawski
STREET: 444 South Flower St., 19th floor
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/162,402B
FILING DATE: 03-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: P66 38215
TELECOMMUNICATION INFORMATION:
TELEPHONE: 213-622-7700
TELEFAX: 213-489-4210
TELEX:
INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:
 LENGTH: 156 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: peptide
 US-08-162-402B-20

Query Match 17.0% Score 838; DB 2; Length 156;
 Best Local Similarity 100.0%; Pred. No. 6,9e-53;
 Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 KCRYALGMDRTIPDSISASSMSDSTARHSRLSSDGDGACPGASVFPKEEYLOY 89
 DB 1 KCRYALGMDRTIPDSISASSMSDSTARHSRLSSDGDGACPGASVFPKEEYLOY 60
 QY 90 DLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRMMGKDRMGCEVISGNEDEP 149
 DB 61 DLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRMMGKDRMGCEVISGNEDEP 120
 QY 150 VVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGC 185
 DB 121 VVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGC 156

RESULT 15
 US-08-339-578-2
 Sequence 2, Application US/08339578
 Patent No. 5622862
 GENERAL INFORMATION:
 APPLICANT: Squinto, et al.
 TITLE OF INVENTION: ASSAY SYSTEMS FOR NEUROTROPHIN ACTIVITY
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Regeneron Pharmaceuticals, Inc.
 STREET: 777 Old Saw Mill River Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-6707
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/339,578
 FILING DATE: 14-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/690,199
 FILING DATE: 23-APR-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Kempfer, Gail M.
 REGISTRATION NUMBER: 32,143
 REFERENCE/DOCKET NUMBER: 6526-061A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 345-7400
 TELEFAX: (914) 345-7721
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 821 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-339-578-2

Query Match 13.2% Score 648.5; DB 1; Length 821;
 Best Local Similarity 30.1%; Pred. No. 1.9e-38;
 Matches 201; Conservative 72; Mismatches 188; Indels 207; Gaps 23;

QY 373 SPALGCTFPAPMPPPPPTNFSLELEPRGQGPYAKAGSPYALIGLVAIIILLLL 432
 DB 217 SCVYGGDPLPTLYWDGNLVSKHNNTSHTQSLRTNISSDDSGIOISCV 267
 QY 433 IIALMLRLHMRRLLSKERRVLEELVALSY---PGDTILINRPPPREP 482
 DB 268 ---AELVGEDSDSVNLVYHPAPTITFL---ESPTSDHMC 302
 QY 483 -PYQEPFRGNPPHSAPCVNGS-----ALLSNPA-----Y 513
 DB 303 IPF---TVRGNPFPALQMFNGAILNESKYICTKIHTNHTYHGCLQDNPTHMNGDY 359
 QY 514 RLL-----ATYARPGRPGPTPAMAPTYOASGYMEP---E 551
 DB 360 TLMAKNEYGDERQISAHFNFGPGVDYETPNPYEVLVEDWTPTDI---GDTTKSNE 415
 QY 552 KPGAPLLPPPPQNSVPHYEADIVTLOGV----- 580
 DB 416 IPSTDAVDOSNRHLSTYAVVYIASVYGFCLVMLLLKLARSKFMKGPASVISNDD 475
 QY 581 -----TGNTYAVPALPPGAVDGP---PRVDEP-----RS 608
 DB 476 SASPLHHISNGSNTPESSSEGPDVAITIGMTKIVIEINPQYFGITNSQLKPDFFVQIKRH 535
 QY 609 RLRFKEKLEGEGORGEVHLCE---VDSPODLVSLDFPLNVRKGHPLVAVKILRPDATTNA 665
 DB 536 NIVLKRELEGAGAKYFLAECYMLCEPD-----KILVAVKTLK-DASDNA 580
 QY 666 SFSLFRNDFLKEVYKIMSRKDNITRLGVCYODDPLCMITDYMENGLNCFLSHQLE 725
 DB 581 -----RKDPHRAELITNLQHEHIVKTYGVCESGPLLMVEFYMKHGDNLFLRAHGPD 634
 QY 726 D-KAAGAPDGGQAAGPT-ISTYMLHYAAQIASGRIYATLNFVHRDLATRNCLVGEN 783
 DB 635 AVLMAGNP-----PELIDQSQMLHIAQIAGMAYLASGHFHRDLATRNCLVGEN 686
 QY 784 FTIKIDFGMSRLYAGDYTRYVQGAVALPIRMAMECILMGKFTTASDYAVAFGVTLMETL 843
 DB 687 LLYKIDFGMSRDYVSTDYRYVGGHTMLPIRMMPRESIMYRKFTTESDVSGLVYLMETL 746
 QY 844 MLCRAQPFQGLTDEQVIENAGEEFFRDGROYVLSRPPACQGLYELMLCWSRESQRRP 903
 DB 747 TYGK-QPWTQLSNVEICT-----TQGR--VLQRPCTPQEVYELMLCQWRPHTRKN 798
 QY 904 FSQLHREL 911
 DB 799 IKSHTLL 806

Search completed: October 4, 2002, 07:41:03
 Job time: 168 sec